



TECHNICAL DATA SHEET

1. TECHNICAL SPECIFICATION

PRODUCT NAME	AMMONIUM POLYPHOSPHATE
MODEL	APP-II
CHEMICAL FORMULA	$(\text{NH}_4\text{PO}_3)_n$ $n > 1000$
APPEARANCE	WHITE POWDER
PHOSPHORUS CONTENT %	≥ 31.0
NITROGEN CONTENT %	≥ 13.0
AVERAGE DEGREE OF POLYMERIZATION	≥ 1000
PH VALUE (10% AQUEOUS SUSPENSION)	5.5-7.5
SOLUBILITY (@25°C g/100cm ³ H ₂ O) %	≤ 0.5
PARTICLE SIZE D ₅₀ (μm)	10~20
MOISTURE % (W/W)	≤ 0.25
VISCOSITY (25°C, 10% SUSPENSION) mPa·s	≤ 100
DECOMPOSITION TEMPERATURE (°C)	≥ 275

The technical data are used solely to describe the product and are not subject to constant monitoring.



2. PACKAGING & STORAGE

25 KG/BAG, PALLETIZED, 20 MT/20'GP

25 KG/BAG, WITHOUT PALLETS, 24.5 MT/20'GP

THE PRODUCT SHOULD BE STORED UNDER DRY AND CLEAN CONDITIONS IN ITS ORIGINAL PACKING. THE MOISTURE MAY INCREASE IF NOT UNDER DRY CONDITION.

3. SHIPPING INFORMATION

TRANSPORTATION CLASSIFICATION: NOT REGULATED FOR TRANSPORTATION

4. RECOMMEND APPLICATION

(1. USED TO PREPARE MANY TYPES OF HIGH-EFFICIENCY INTUMESCENT COATINGS FOR THE FLAMEPROOF TREATMENT OF RESIDENTIAL AND COMMERCIAL BUILDINGS, SHIPS, TRAINS, AND CABLES.

(2. USED AS THE MAIN FLAMEPROOF ADDITIVE FOR EXPANDING-TYPE FLAME RETARDANTS HEAT RESISTANT BELTS FOR HIGH TEMPERATURE AND RUBBER.

(3. FLAMEPROOF TREATMENT FOR WOODS, PLYWOOD, FIBERBOARD, PAPERS, AND FIBERS.

5. CHEMICAL REGISTRATION NUMBERS

CAS NO.: 68333-79-9

EINECS NO.: 269-789-9